



23500200101.ST25
SEQUENCE LISTING

RECEIVED

AUG 02 2001

TECH CENTER 1600 2900

<110> Tarleton, Rick
Garg, Nisha

<120> PROPHYLACTIC AND THERAPEUTIC IMMUNIZATION AGAINST INFECTION AND DISEASE

<130> 235.00201010

<140> 09/518,156

<141> 2000-03-02

File <150> 60/122,532

<151> 1999-03-02

<160> 24

<170> PatentIn version 3.0

<210> 1

<211> 8

<212> PRT

<213> Trypanosoma cruzi

<400> 1

Val Asp Tyr Asn Phe Thr Ile Val
1 5

<210> 2

<211> 8

<212> PRT

<213> Gallus gallus

<400> 2

23500200101.ST25

Ser Ile Ile Asn Phe Glu Lys Leu
1 5

<210> 3

<211> 34

<212> DNA

<213> Artificial

<220>

<223> forward primer

<400> 3
agtcgacgga tccatgattg catttgtcga aggc

34

<210> 4

<211> 35

<212> DNA

<213> Artificial

<220>

<223> reverse primer

<400> 4
atctagaagc ttcatagttc accgacactc agtgg

35

<210> 5

<211> 35

<212> DNA

<213> Artificial

<220>

<223> reverse primer

<400> 5
atctagaagc ttcatgccgc agcatttgct tcccc

35

<210> 6

<211> 0

<212> PRT

23500200101.ST25

<213> Skipped Sequence

<400> 6
000

<210> 7

<211> 8

<212> PRT

<213> Trypanosoma cruzi

<400> 7

Val Asn His Arg Phe Thr Leu Val
1 5

<210> 8

<211> 8

<212> PRT

<213> Trypanosoma cruzi

<400> 8

Val Asn His Asp Phe Thr Val Val
1 5

<210> 9

<211> 0

<212> PRT

<213> Skipped Sequence

<400> 9
000

<210> 10

<211> 28

<212> DNA

<213> Artificial

<220>

<223> forward primer

<400> 10

aggatccatg attgcatttg tcgaaggc

28

<210> 11

<211> 30

<212> DNA

<213> Artificial

<220>

<223> reverse primer

<400> 11

aaagcttcat agttcaccga cactcagtgg

30

<210> 12

<211> 26

<212> DNA

<213> Artificial

<220>

<223> forward primer

<400> 12

aagatcttgt ggaaaggaat ttgagg

26

<210> 13

<211> 28

<212> DNA

<213> Artificial

<220>

<223> reverse primer

<400> 13

actcgagtca cagtgggcgg ttgtacag

28

<210> 14

<211> 27

23500200101.ST25

<212> DNA

<213> Artificial

<220>

<223> forward primer

<400> 14

aagatctctg tgaggctgca gacgctg

27

<210> 15

<211> 28

<212> DNA

<213> Artificial

<220>

<223> reverse primer

<400> 15

acccgggtta ttggtcgcca ccgtttcc

28

<210> 16

<211> 26

<212> DNA

<213> Artificial

<220>

<223> forward primer

<400> 16

ggttcgattg gggttggtgt aatata

26

<210> 17

<211> 26

<212> DNA

<213> Artificial

<220>

<223> reverse primer

<400> 17

aaataatgta cgggkgagat gcatga

26

<210> 18

<211> 0

<212> DNA

<213> Skipped Sequence

<400> 18
000

<210> 19

<211> 0

<212> DNA

<213> Skipped Sequence

<400> 19
000

<210> 20

<211> 1656

<212> DNA

<213> Trypanosoma cruzi

<400> 20

| | |
|---|-----|
| atgcggaaga aagccgcagc attagcagcg cccacagcag acacacggcc gacgtgccgc | 60 |
| ggggctgccca ttgccaataa atttatggaa cgtgccggcc cccgtgaggg cgttgggaga | 120 |
| tcaacggaga tgccggctgc tggaccgacg gggctctcaa gaactcaaac gcaacgggag | 180 |
| gtgaaagcgt cacaagacgc cgacgcggcg gccattagta gttatttcca gtccgaattg | 240 |
| gtgacatctc agtcgcacga ggggtgtgtct cctctggcaa agactagggc caacgaacgg | 300 |
| cggaacgggg agcaggagcg ggagaaggaa ctgccggcgg ttggtggcgc cgttccaact | 360 |
| gggaagggga cggaccccaa acagcgagtg ctgcaggatt tgccagcgat gcacgcggag | 420 |
| ggacaaaacc agcacggtag agaggggtgac aaggggtgtt ccgatgaagat ggactcccct | 480 |
| ggtcgcgtac aggtgctgga gcaaattgtg ctacacctgg ctgcattgaa cagacagcta | 540 |
| gaattagaac ttatagaaac gcgacgggaa ctgacgatgt acaagcagct tttacctgat | 600 |

23500200101.ST25

gtgcagcgcc agaccgaggc ccatgctttg tctcaggagc atcacaagc gaatagtgt 660
gctccgccac tgatgtcaga tgagaggcga cgacagatgc tctttacagg gcaacaacaa 720
caacagcaac aagtgaaga tctgcatggc ggtattagcg ggtgggaaac ggcagcgagg 780
agaatgcgct atggttacga ggagggggag agggacgccc tttcagatgg tgagggccgt 840
ccacgttgcg caggtcgtat gggctccccg aagagattcc tttcaacaca accgcctcga 900
agcagcagga accatcggaa ccctcacgct gctaacggga caaatggcaa tagtcatgtt 960
ccccattcgt ccagacaaaa aagtcacccg acaagaggag ctgctgtaac ttccgtaccg 1020
ttggcggcgt ccgcaaccaa tcgccgaggt cgttccatgc gacaacatac ccgaccccg 1080
ggaccttctt atcttttcga acgcctcgac gctgaggatg caattgatat gctggagacg 1140
ctgaagcgct ctctcatgta tcgctgcaac cactcgcac atcgatcaac agaaggagat 1200
gtgtgtcggc ccgccgcga gccccggaaa ggcacgcggt ctgttccacc accaccgcca 1260
ccaccgccc tgatcatcgc gtcacaaaga aagcttgccg ccgcagttgc tggagcgccg 1320
gcatgcagcg tctcagcacg acacggaagg aacctggcg tttctgcggt gggagatccg 1380
tcaaggggca atcgagtttc agaaacagct cgcatagctc atgctcctt ttttggggg 1440
aagaaatgcg cgccgggcct aacccaactc catttctctt ccccttccag aagggtacg 1500
ccgatgaaaa aagacacgcc attgtcacgt ggtcaagcgg ctggagtagc agcagtagcg 1560
gtgggcggtg acgggcagct agaggcactg cagaggcgtt actgggaaca gtcccgtgcg 1620
atattggagc agcttgaaaa catgctggca gctgat 1656

<210> 21

<211> 39

<212> DNA

<213> Artificial

<220>

<223> pTAT linker

<400> 21

tccacatgg ccggtaccgg tctcaggtg catgcggtg

39

<210> 22

<211> 14

<212> PRT

<213> Artificial

<220>

<223> pTAT linker

<400> 22

Gly Ser Thr Met Ala Gly Thr Gly Leu Glu Val His Ala Val
1 5 10

<210> 23

<211> 41

<212> DNA

<213> Artificial

<220>

<223> pTAT-HA linker

<400> 23

ccatgtccgg ctatccatat gacgtcccag actatgctgg c

41

<210> 24

<211> 13

<212> PRT

<213> Artificial

<220>

<223> pTAT-HA linker

<400> 24

Met Ser Gly Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Gly
1 5 10